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TITLE: OPERATION OF OLEFIN PRODUCTION UNIT

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APPL-NO: JP57094115

APPL-DATE: June 3, 1982

INT-CL (IPC): C10G009/14

ABSTRACT:

PURPOSE: To generate steam, within an olefin production unit which is required for starting and stopping the operation of the unit, by completing the starting of a thermal cracking gas compressor by the use of superheated high-pressure steam and switching the supply of water to that of raw material hydrocarbon and

diluting steam.

CONSTITUTION: High-pressure steam generated in a steam drum 6 is fed into a high-pressure steam superheater 3 installed in a convection heating area for conversion to superheated steam, which is then fed to a steam turbine 11 as power source for a thermal cracking gas compressor 19, etc. A part of steam extracted from the steam turbine 11 is fed through a diluting steam feeding pipe 15 to a mixed raw material preheater 4 for incorporating into preheated water. When a series of machines and equipment have reached predetermined normal operation conditions water supplied to a heating oven 1 is gradually switched over to hydrocarbon for thermal cracking and at the same time the excess ratio of oxygen for combustion of fuel is gradually decreased so that all the equipment may come in normal operation conditions.

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